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(54) **HIGH AFFINITY BIVALENT HELICALLY
CONSTRAINED PEPTIDE AGAINST CANCER**

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(58) **Field of Classification Search**

None

See application file for complete search history.

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(57) **ABSTRACT**

The present invention describes a novel bivalent helically
constrained peptide targeted against S100B that is an effec-
tive anti-cancer drug against cancers that over-express
S100B. This helix mimetic targeted against S100B induces
rapid apoptosis in cancer cells that over-express a calcium
binding protein S100B through simultaneous inhibition of
key growth pathways including activation of p53.

11 Claims, 14 Drawing Sheets